	Application No.	Applicant(s) YAGI ET AL.	
Notice of Allowability	10/806,210		
	Examiner	Art Unit	
	Mark W. Bockelman	3766	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is s	this application. If not include inication will be mailed in due	ed course. THIS
1. \square This communication is responsive to <u>3-23-2006</u> .			
2. The allowed claim(s) is/are <u>1-6</u> .			
 Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	ve been received. ve been received in Applicatio	n No	tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the re-	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be substituted in A Substitute OATH OR DECLARATION (PTO-152) which gives the substitute of the su			IOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		
(a) ☐ including changes required by the Notice of Draftspe		(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	 •		
(b) including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the header according to 37 CF	ne drawings in the front (not the R 1.121(d).	e back) of
 DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT 			Note the
Attachment(s)	- -	C. I.D. I.	0.450)
1. Notice of References Cited (PTO-892)	<u>=</u>	formal Patent Application (PT	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413), Mail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB Paper No./Mail Date		Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's 9. □ Other	Statement of Reasons for Allo	owance MAN

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jonathan on Backenstose.

The application has been amended as follows:

Claim 1 is amended as follows:

1. A visual restoration aiding device for restoring vision of a patient, comprising:
 an electrode array having a plurality of electrodes which apply [an] electrical stimulation pulse [signal] signals to cells constituting a retina of an eye of the patient, the electrodes including first electrodes and second electrodes;

a photographing unit which photographs an object to be recognized by the patient to provide at least one photograph frame of the object;

a converting unit which converts photographic data transmitted from the photographing unit to data for electrical stimulation pulse signals; and

a control unit which outputs the electrical stimulation pulse [signal] <u>signals</u> through each electrode based on the data for electrical stimulation pulse signals,

the control unit simultaneously outputting <u>a portion of</u> the electrical stimulation pulse signals <u>only</u> through the first electrodes during a <u>first time period</u> [for recognizing the object of one frame] so as not to simultaneously output another portion of the

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electrical stimulation pulse signals through the second electrodes [for recognizing the object of one frame] that are arranged within a distance [that] from the first electrodes whereby the portion of the electrical stimulation pulse signals outputted through the first electrodes will not interfere with the another portion of the electrical stimulation pulse signals outputted through the second electrodes,

the control unit switching <u>from</u> outputting <u>the portion</u> of the electrical stimulation pulse signals through the first electrodes [and] <u>to</u> outputting <u>the another portion</u> of the electrical stimulation pulse signals through <u>only</u> the second electrodes <u>during a second</u> <u>time period</u>, [with a lapse of time within a duration needed for allowing the patient to recognize the object of the one frame, and]

the control unit completely terminating the outputting of the electrical stimulation pulse signals through all of the first and second electrodes [necessary for recognizing the object of one frame within a duration needed for allowing the patient to recognize the object of one frame] <a href="mailto:whereby each photograph frame provided by the photographing unit results in electrical stimulation pulse signals applied to the first and second electrodes in a time division manner.

The following is an examiner's statement of reasons for allowance: THe prior art of record does not teach or suggest the time division application of stimulation signals so as to improve resolution via electrode density.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark W. Bockelman whose telephone number is (571) 272-4941. The examiner can normally be reached on Monday - Friday 10:00 to 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pezzuto can be reached on (571) 272 -6996. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mal Gall

MWB

May 30, 2005